

Faculty of Engineering and Architecture

Bachelor of Science in Engineering Technology -- Electronics and ICT Engineering Technology

Language of instruction: Dutch

Programme version 5

1 General Courses 60 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E701033 Mathematics I <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:1	180
2	E701023 General Chemistry <i>Maarten Sabbe -- Department of Materials, Textiles and Chemical Engineering</i>	6		1	A:1	180
3	E701024 Electricity <i>Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:1	180
4	E701051 Design Tools <i>Kathleen Gekiere -- Department of Structural Engineering and Building Materials</i>	4		1	A:1	120
5	E701029 Materials <i>Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering</i>	3		1	A:1	90
6	E701030 Mechanics <i>Tom Claessens -- Department of Materials, Textiles and Chemical Engineering</i>	6		1	A:J	180
7	E701052 Engineering Project <i>Kathleen Gekiere -- Department of Structural Engineering and Building Materials</i>	5		1	A:J	150
8	E701034 Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
9	E701056 Physics <i>Sven Van Loo -- Department of Applied Physics</i>	6		1	A:2	180
10	E701053 Computer Science <i>Helga Naessens -- Department of Information Technology</i>	6		1	A:2	180
11	E701054 Sustainable Energy Technologies <i>Johan Lauwaert -- Department of Electronics and Information Systems</i>	3		1	A:2	90
12	E701055 Electronics <i>Jo Verhaevert -- Department of Information Technology</i>	3		1	A:2	90

2 General Courses 15 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E702010 Signals and Systems <i>Jan Beyens -- Department of Information Technology</i>	6		2	A:1	180
2	E702090 Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6		2	A:2	180
3	E702702 Business Administration <i>Birger Raa -- Department of Industrial Systems Engineering and Product Design</i>	3		3	A:2	90

3 Courses Related to the Main Subject 102 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E702070 Physics of Waves and Particles <i>Sven Van Loo -- Department of Applied Physics</i>	3		2	A:1	90
2	E702040 Electronics II <i>Stefaan Lambrecht -- Department of Information Technology</i>	6		2	A:1	180

3	E702050	Object Oriented Programming <i>Helga Naessens -- Department of Information Technology</i>	6	2	A:1	180
4	E741058	Programming in C <i>Wim Van Den Breen -- Department of Information Technology</i>	3	2	A:1	90
5	E765026	Database Management <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	3	2	A:1	90
6	E765100	Applied Artificial Intelligence <i>Sofie Van Hoecke -- Department of Electronics and Information Systems</i>	3	2	A:1	90
7	E731018	Embedded Systems: Microcontrollers <i>Patrick Van Torre -- Department of Information Technology</i>	6	2	A:2	180
8	E702060	Signals and Systems II <i>Jan Beyens -- Department of Information Technology</i>	3	2	A:2	90
9	E731036	Digital Electronics <i>Jan Aelterman -- Department of Telecommunications and Information Processing</i>	6	2	A:2	180
10	E731038	Analogue Electronics I <i>Patrick Van Torre -- Department of Information Technology</i>	6	2	A:2	180
11	E731021	Multidisciplinary Engineering Project <i>Guy Torfs -- Department of Information Technology</i>	3	2	A:2	90
12	E702100	Computer Hardware <i>Wim Van Den Breen -- Department of Information Technology</i>	6	3	A:1	180
13	E731034	Numerical Analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	3	3	A:1	90
14	E731037	Embedded Systems: Hardware Synthesis <i>Bart Goossens -- Department of Telecommunications and Information Processing</i>	6	3	A:1	180
15	E731039	Analogue Electronics II <i>Patrick Van Torre -- Department of Information Technology</i>	6	3	A:1	180
16	E761050	Computer Networks <i>Wouter Tavernier -- Department of Information Technology</i>	6	3	A:1	180
17	E731028	Data Communication <i>Jo Verhaevert -- Department of Information Technology</i>	3	3	A:2	90
18	E741023	Control Theory <i>Jan Beyens -- Department of Information Technology</i>	6	3	A:2	180
19	E731025	Digital Signal Processing <i>Paul Devos -- Department of Information Technology</i>	6	3	A:2	180
20	E761060	Operating Systems <i>Wim Van Den Breen -- Department of Information Technology</i>	3	3	B:2	90
21	E731040	Bachelor's Dissertation <i>Stefaan Lambrecht -- Department of Information Technology</i>	9	3	A:J	240

4 Elective Courses 3 credits

[Subscribe to 3 credit units from the following list.](#)

Nr	Course	CRDT	Ref	MT1	Session	Study
1	A003001 Academic English [en] <i>Geert Jacobs -- Department of Linguistics</i>	3	UKV	3	B:1, A:2	90
2	E076450 Basic Entrepreneurship <i>Yannick Dillen -- Department of Marketing, Innovation and Organisation</i>	3	UKV	3	A:1	90
3	A003107 Advanced Academic English [en] <i>Geert Jacobs -- Department of Linguistics</i>	3	UKV	3	A:1, B:2	90
4	E075310 Ethics, Engineering and Society <i>Seppe Segers -- Department of Philosophy and Moral Sciences</i>	3		3	A:2	90

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028